INDEX TO VOLUME 39

A

Page

lant, constant, for testing textiles, RP1807 ... 1
ion, solution of problem of producing uniform, RP1807 ... 1
ptance sampling by variables, RP1827 ... 721
base reactions in benzene and other organic solvents; the behavior bromphthalein magenta with different classes of organic bases, 1825 ... 221
ity coefficients of phosphates, RP1837 ... 411
rption of nitrogen and water vapor by textile fibers, RP1842 ... 479
aft engine cylinder wear, RP1819 ... 155
cyclohexanes, purification, purity, and freezing points, RP1833 ... 321
benzenes in the C_8 fraction of petroleum, RP1839 ... 425
cyclohexanes, thermodynamic properties of, RP1845 ... 523
cyclopentanes, purification, purity, and freezing points, RP1833 ... 321
cyclopentanes, thermodynamic properties of, RP1845 ... 523
n, copper, thermal expansion, RP1838 ... 419
n particles, operation for counting, RP1846 ... 545
inates, in chemistry of portland cement, RP1822 ... 177
rican Petroleum Institute-National Bureau of Standards hydrocarbons, RP1833 ... 321
rican Petroleum Institute-Standard hydrocarbons, RP1833 ... 321
matic hydrocarbons, analysis, in products from catalytic petroleum ning processes, RP1830 ... 203
sphere, influence on precision of telescope pointing, RP1829 ... 297
enite grain size of boron steels, RP1815 ... 67

B

s, organic, relative strengths, RP1825 ... 221
s, Roger G., Activity coefficients in aqueous mixtures of phosphates h sodium chloride, sodium bromide, and sodium iodide, and the pH phosphate buffer solutions, RP1837 ... 411
ett, Charles W., John E. Kilpatrick, Helene G. Werner, Kenneth S. zer, Frederick D. Rossini, Heats, equilibrium constants, and free rgies of formation of the alkylcyclopentanes and alkylcyclohexanes, 1845 ... 523
ne, acid-base reactions, in, RP1825 ... 221
r, R. L., John W. Rowen, Sorption of nitrogen and water vapor on ile fibers, RP1842 ... 479
r, Robert H., Some recent advances in our understanding of the mistry of portland cement, RP1822 ... 177
es, thermal expansion, RP1838 ... 419
G., F. L. Friedman, Calculations on countercurrent electromigrn, RP1836 ... 397
ner, Abner, Grace Riddell, Deposition of nickel and cobalt by chemi- reactions, RP1834 ... 385
Polly Burkhead, Emma Seegmiller, Electrodeposition of tungsten ys containing iron, nickel, and cobalt, RP1834 ... 351
phthalein magenta, reactions with amines, RP1825 ... 221
es, thermal expansion, RP1838 ... 419
ling, in compression, square plate with reinforced circular hole, 1849 ... 571
lead, Polly, Abner Brenner, Emma Seegmiller, Electrodeposition of ngsten alloys containing iron, nickel, and cobalt, RP1834 ... 351
diene, determination of, RP1841 ... 453
tadiene, purification, purity, and freezing points, RP1833 ... 321
diene, 1,3, thermodynamic properties of, RP1844 ... 507
yne, purfication, purity, and freezing points, RP1833 ... 321

C

Alkylbenzenes, analysis, in products from catalytic petroleum refining processes, RP1830 ... 203
Infrared spectra, RP1814 ... 59

Page

Calculations on countercurrent electromigration, RP1838 ... 419
Catalytic petroleum refining processes, analysis of C_8 alkylbenzenes, RP1830 ... 203
Cellulose chemistry, RP1816 ... 133
Cement compounds, RP1822 ... 177
Charpy impact tests of boron treated steels, RP1815 ... 67
Chemical reduction of cobalt and nickel, RP1835 ... 385
Cheney, Ruth K., Paul F. Wacker, Specific heat, enthalpy, and entropy of uranyl fluoride, RP1832 ... 317
Cobalt deposition without current, RP1835 ... 385
Cobalt, freezing point of, RP1828 ... 291
Cobalt-tungsten alloy, RP1834 ... 351
Cold starting abilities of fuels, RP1811 ... 39
Combustion of the C_9H_{18} alkylcyclohexanes, heats of, RP1812 ... 49
Conjugated dienes, determination of, RP1840 ... 435
Corruccini, Robert J., Defoe C. Ginnings, Heat capacities at high temperatures of uranium, uranium trichloride, and uranium tetrachloride, RP1831 ... 309
Cosine-fourth-power law, validity of, RP1824 ... 213
Cragoe, Carl S., Cyril H. Meyers, Eugene F. Mueller, Table and Mollier chart of the thermodynamic properties of 1,3-butadiene, RP1844 ... 507
Critical compressive stress, square plate with circular reinforced hole, RP1849 ... 571
Cryoscopic constants of hydrocarbons, RP1833 ... 321
Current efficiency, solutions of uranyl chloride, RP1817 ... 141
Curtiss *John H.*, Acceptance sampling by variables, with special reference to the case in which quality is measured by average or dispersion, RP1827 ... 721
—, *Sanford B. Newman*, A statistical analysis of some mechanical properties of manila rope, RP1847 ... 551
Cyclohexane, thermodynamic properties of, RP1845 ... 523
Cyclohexanes, alkyl, heats of formation and isomerization, RP1821 ... 173
Cyclohexanes, heats of combustion and isomerization of, RP1812 ... 49
Cycloparaffin hydrocarbons, purification, purity, and freezing points, RP1833 ... 321
Cyclopentane, thermodynamic properties of, RP1845 ... 523

D

Dahl, Andrew I., Milton S. VanDusen, Freezing points of cobalt and nickel, RP1828 ... 291
—, —, Resistance-temperature relation and thermoelectric properties of uranium, RP1813 ... 53
Davis, F. J., Factors affecting operation of apparatus for counting alpha particles in an ion counting chamber, RP1846 ... 545
Davis, Marion Maclean, Priscilla J. Schuhmann, Acid-base reactions in benzene and other organic solvents: Behavior of bromphthalein magenta with different classes or organic basis, RP1825 ... 221
n-Decane, purification, purity and freezing points, RP1833 ... 321
Dibeler, Vernon H., Fred L. Mohler, Analysis by the mass spectrometer of a liquefied hydrocarbon mixture containing C_3–C_5 paraffins and olefins, RP1818 ... 149
—, *Marlin Shepherd, Richard Thomas, Shufford Schumann*, Experimental study of the Koppers-Hinckley-Podbielniak apparatus and method for the determination of conjugated dienes, RP1840 ... 435
Digges, Thomas G., Fred M. Reinhart, Influence of boron on some properties of experimental and commercial steels, RP1815 ... 67
Dimethylcyclohexanes, heats of formation and isomerization, RP1821 ... 173
Dimethylcyclohexanes, thermodynamic properties of RP1845 ... 523
Distortion of photographic objective, effect on variation of illumination of image, RP1824 ... 213
Douglas, Florence Leech, Geraldine Walker Haupt, Chromaticities of Lovibond glasses, RP1808 ... 11

E

Page

End-quench test of boron steels, RP1815 67
Electrode, glass, voltage anomalies of, RP1848 561
Electrodeposition of alloys, RP1834 351
Electroless deposition, cobalt and nickel, RP1835 385
Electrolysis of uranyl chloride, RP1817 141
Electromigration, calculations on countercurrent, RP1838 419
Entropies of alkylcyclopentanes and alkylcyclohexanes, RP1845 523
Equilibrium constants of formation of alkylcyclopentanes and alkylcyclohexanes, RP1845 523
Ethylbenzene, analysis, in mixtures with other C_8 alkylbenzenes, RP1830 303
Ethylcyclohexane, heats of formation and isomerization, RP1821 173
Ethylcyclopentane, thermodynamic properties of, RP1845 523
Ethylcyclohexane, thermodynamic properties of, RP1845 523
Expansion, thermal, of copper alloys, RP1838 419

F

Filter papers, analytical, standards for, RP1809 21
Forziati, A. F., Frederick D. Rossini, Alkylbenzenes in the C_9 fraction from seven representative crude petroleums, RP1839 425
Free energies of formation of alkylcyclopentanes and alkylcyclohexanes, RP1845 523
Freezing points of American Petroleum Institute-Standard and National Bureau of Standards hydrocarbons, RP1833 321
Friedman, F. L., G. Breit, Calculations on countercurrent electromigration, RP1836 397
Fuels, motor, substitute, RP1811 39

G

Gardner, Irvine C., Validity of the cosine-fourth-power law of illumination, RP1824 213
Gels, strength of, RP1810 29
Ginnings, Defoe C., Nathan S. Osborne, Measurements of heat of vaporization and heat capacity of a number of hydrocarbons, RP1841 453
—, *Robert J. Corruccini,* Heat capacities at high temperatures of uranium, uranium trichloride, and uranium tetrachloride, RP1831 309
Glass, chemical durability of, RP1848 561
Glass, electrode function of, RP1848 561
Glasses, Lovibond, RP1808 11
Grain size of magnesium castings, RP1826 265

H

Hamer, Walter J., An improved method for measurement of gel strength and data on starch gels, RP1810 29
—, Anodic current efficiency in the counterflow electrolysis of uranyl chloride solutions, RP1817 141
Haupt, Geraldine Walker, Florence Lesch Douglas, Chromaticities of Lovibond glasses, RP1808 11
Heat capacity for specific heat of uranyl fluoride, RP1832 317
Heat capacity, 12 hydrocarbons, RP1841 453
Heat content for specific enthalpy of uranyl fluoride, RP1832 317
Heat of vaporization, 59 hydrocarbons, RP1841 453
Heats of formation and isomerization of alkylcyclohexanes, RP1821 173
Heats of formation of alkylcyclopentanes and alkylcyclohexanes, RP1845 523
Hidnert, Peter, Harrison S. Krider, Thermal expansion of some copper alloys, RP1838 419
Holm, Vernon C. F., Alexander I. Krynitsky, Observations on the control of grain size in magnesium casting alloys, RP1826 265
Hubbard, Donald, Gerald F. Rynders, Voltage anomalies of the glass electrode and the chemical durability of the glass, RP1848 561
Humphreys, Curtis J., Earle K. Plyler, Infrared absorption spectrum of carbon disulfide, RP1814 59
Hunt, Charles M., John W. Rowen, Earle K. Plyler, Absorption spectra in the detection of chemical changes in cellulose and cellulose derivatives, RP1816 133
Hydrocarbons, heat capacity and heat of vaporization, RP1841 453
Hydrocarbons, purification, purity and freezing points of the American Petroleum Institute-Standard and the American Petroleum Institute-National Bureau of Standards series, RP1833 321
Hypophosphite, use of, for cobalt and nickel reduction, RP1835 385

I

Identification method for measuring wear, RP1819 155
Indicators, acid-base, for organic media, RP1825 221
Inductors, for surge current measurement, RP1823 1
Infrared absorption spectrum of CS_2, RP1814 59
Infrared spectrum of cellulose, RP1816 133
Ion counting chamber, RP1846 569
Iron-tungsten alloy, RP1834 351
Isomerization of the C_8H_{16} alkylcyclohexanes, heats of, RP1821 173
Isopropylbenzene in petroleum, RP1839 425
Isotope separation, calculations on electromigration method for, RP1838 419

J

Johnson, Walter H., Edward J. Prosen, Frederick D. Rossini, Heats of combustion and isomerization of the eight C_8H_{16} alkylcyclohexanes, RP1812 173
—, —, —, Heats of formation and isomerization of the eight C_9H_{18} alkylcyclohexanes in the liquid and gaseous states, RP1821 173

K

Kilpatrick, John E., Helene G. Werner, Charles W. Beckett, Kenneth S. Pitzer, Frederick D. Rossini, Heats, equilibrium constants, and free energies of formation of the alkylcyclopentanes and alkylcyclohexanes, RP1845 523
Koppers-Hinckley method for determination of conjugated dienes, RP1840 549
Kroll, Wilhelmina D., Samuel Levy, Ruth M. Woolley, Instability of simply supported square plate with reinforced circular hole in edge compression, RP1849 577
Krider, Harrison S., Peter Hidnert, Thermal expansion of some copper alloys, RP1838 419
Krynitsky, Alexander I., Vernon C. F. Holm, Observations on the control of grain size in magnesium casting alloys, RP1826 265

L

Levy, Samuel, Ruth M. Woolley, Wilhelmina D. Kroll, Instability of simply supported square plate with reinforced circular hole in edge compression, RP1849 577
Liquefied hydrocarbon mixture containing C_3–H_2 paraffins and olefins, RP1818 127
Lovibond color system, and glasses, RP1808 11

M

Magnesium alloy castings, RP1826 265
Magnification, effect on precision of indoor telescope pointing, RP1820 227
Manila rope, statistical analysis of some mechanical properties, RP1847 569
Mass spectrometer, analysis of, RP1818 127
McKee, Samuel A., An indentation method for measuring wear, RP1819 155
McQuaid-Ehn grain size of boron steels, RP1815 67
Metal powders, sieve tests of, RP1843 559
1-Methyl-2-ethylbenzene in petroleum, RP1839 425
Methylcyclohexane, thermodynamic properties of, RP1845 523
Meyers, Cyril H., Carl S. Cragoe, Eugene F. Mueller, Table and Mollier chart of the thermodynamic properties of 1,3-butadiene, RP1844 585
Mohler, Fred L., Vernon H. Dibeler, Analysis by the mass spectrometer of a liquified hydrocarbon mixture containing C_3–C_5 paraffins and olefins, RP1818 127
Mollier chart and table for 1,3-butadiene, RP1844 585
Monoolefins, purification, purity, and freezing points, RP1833 321
Mueller, Eugene F., Cyril H. Meyers, Carl S. Cragoe, Table and Mollier chart of the thermodynamic properties of 1,3-butadiene, RP1844 585
Murphy, Evelyn T., Anton J. Streiff, Janice C. Zimmerman, Laurel F. Soule, Vincent A. Sedlak, Charles B. Willingham, Frederick D. Rossini, Purification, purity, and freezing points of *n*-decane, 4 alkylcyclopentanes, 8 alkylcyclohexanes, 2 monoolefins, 1,2-butadiene and 2 butyne of the American Petroleum Institute-Standard and American Petroleum Institute-National Bureau of Standards series, RP1833 321

N

Newman, Sanford B., J. H. Curtiss, A statistical analysis of some mechanical properties of manila rope, RP1847 569
Nickel deposition without current, RP1835 385
Nickel, freezing point of, RP1828 241
Nickel-tungsten alloy, RP1834 351

O

Osborne, Nathan S., Defoe C. Ginnings, Measurements of heat of vaporization and heat capacity of a number of hydrocarbons, RP1841 453

P

Page

...ers, filter, analytical, standards for, RP1809 ... 21
..., *John H.*, Shunts and inductors for surge current measurements, RP1823 ... 191
...icle size distribution of metal powders, RP1843 ... 487
...oleum, alkylbenzenes in C_9 fraction, RP1839 ... 425
...of phosphate buffer solutions, RP1837 ... 411
...sphate buffer solutions, pH and activity coefficients of, RP1837 ... 411
...ographic objective, variation of illumination of image formed by, RP1824 ... 213
..., *Kenneth S., John E. Kilpatrick, Helene G. Werner, Charles W. Peckett, Frederick D. Rossini*, Heats, equilibrium constants, and free energies of formation of the alkylcyclopentanes and alkylcyclohexanes, RP1845 ... 523
...k's constant C_3, RP1828 ... 291
..., *Earle K., Curtiss J. Humphreys*, Infrared absorption spectrum of carbon disulfide, RP1814 ... 59
..., *John W. Rowen, Charles M. Hunt*, Absorption spectra in the detection of chemical changes in cellulose and cellulose derivatives, RP1816 ... 133
...ard, *Rolla E.*, Sieve tests of metal powders, RP1843 ... 487
...land cement, recent advances in chemistry of, RP1822 ... 177
...sion of indoor telescope pointing, the effect of magnification on, RP1820 ... 163
...sion of telescope pointing, influence of atmosphere upon, RP1829 ... 297
...opylbenzene in petroleum, RP1839 ... 425
...opylcyclohexane, thermodynamic properties of, RP1845 ... 523
...opylcyclopentane, thermodynamic properties of, RP1845 ... 523
..., *Edward J., Walter H. Johnson, Frederick D. Rossini*, Heats of combustion and isomerization of the eight C_8H_{16} alkylcyclohexanes, RP1812 ... 173
..., —, Heats of formation and isomerization of the eight C_8H_{12} alkylcyclohexanes in the liquid and gaseous states, RP1821 ... 173
...fication of the American Petroleum Institute-Standard and the American Petroleum Institute-National Bureau of Standards hydrocarbons, RP1833 ... 321

Q

...ity control, acceptance sampling, RP1827 ... 721

R

...ovement of grain in magnesium casting alloys, RP1826 ... 265
...nforced circular hole, critical compressive stress of plate with, RP1849 ... 571
..., *Fred M., Thomas G. Digges*, Influence of boron on some properties of experimental and commercial steels, RP1815 ... 67
...producibility of sieve tests, RP1843 ... 487
...stance-temperature relation of uranium, RP1813 ... 53
..., *Grace, Abner Brenner*, Deposition of nickel and cobalt by chemical reduction RP1835 ... 385
...e, manila, some mechanical properties, RP1847 ... 551
..., *Frederick D., Anton J. Streiff*, Alkylbenzenes in the C_8 fraction from five different catalytic petroleum refining processes, RP1830 ... 203
..., *Evelyn T. Murphy, Janice C. Zimmerman, Laurel F. Soule, Vincent A. Sedlak, Charles P. Willingham*, Purification, purity, and freezing points of *n*-decane, 4 alkylcyclopentanes, 8 alkylcyclohexanes, 2 monoolefins, 1,2-butadiene, and 2-butyne of the American Petroleum Institute-Standard and American Petroleum Institute-National Bureau of Standards series, RP1833 ... 321
..., *Edward J. Prosen, Walter H. Johnson*, Heats of formation and isomerization of the eight C_8H_{12} alkylcyclohexanes in the liquid and gaseous states, RP1821 ... 173
..., *F. Forziati*, Alkylbenzenes in the C_9 fraction from seven representative crude petroleums, RP1839 ... 419
..., *John E. Kilpatrick, Helene G. Werner, Charles W. Peckett, Kenneth S. Pitzer*, Heats, equilibrium constants, and free energies of formation of the alkylcyclopentanes and alkylcyclohexanes, RP1845 ... 523
..., *Walter H. Johnson, Edward J. Prosen*, Heats of combustion and isomerization of the eight C_8H_{16} alkylcyclohexanes, RP1812 ... 49
..., *John W., Charles M. Hunt, Earle K. Plyler*, Absorption spectra in the detection of chemical changes in cellulose and cellulose derivatives, RP1816 ... 133

Page

—, *R. L. Plaine*, Sorption of nitrogen and water vapor on textile fibers, RP1842 ... 479
Rynders, Gerald F., Donald Hubbard, Voltage anomalies of the glass electrode and the chemical durability of the glass, RP1848 ... 561

S

Schiefer, Herbert F., Solution of problem of producing uniform abrasion and its application to the testing of textiles, RP1807 ... 1
Schuhmann, Priscilla J., Marion Maclean Davis, Acid-base reactions in benzene and other organic solvents. Behavior of bromphthalein magenta with different classes of organic basis, RP1825 ... 221
Schuhmann, Shuford, Martin Shepherd, Richard Thomas, Vernon H. Dibeler, Experimental study of the Koppers-Hinckley-Podbielniak apparatus and method for the determination of conjugated dienes, RP1840 ... 435
Scott, Leo W., Francis E. Washer, Influence of the atmosphere upon the precision of telescope pointing, RP1829 ... 297
Scribner, Bourdon W., William K. Wilson, Development of standards for analytical filter papers, RP1809 ... 21
Sedlak, Vincent A., Anton J. Streiff, Evelyn T. Murphy, Janice C. Zimmerman, Charles P. Willingham, Frederick D. Rossini, Purification, purity, and freezing points of *n*-decane, 4 alkylcyclopentanes, 8 alkylcyclohexanes, 2 monoolefins, 1,2-butadiene, and 2-butyne of the American Petroleum Institute-Standard and American Petroleum Institute-National Bureau of Standards series, RP1833 ... 321
Seegmiller, Emma, Abner Brenner, Polly Purkhead, Electrodeposition of tungsten alloys containing iron, nickel, and cobalt, RP1834 ... 351
Shepherd, Martin, Richard Thomas, Shuford Schuhmann, Vernon H. Dibeler, Experimental study of the Koppers-Hinckley-Podbielniak apparatus and method for the determination of conjugated dienes, RP1840 ... 435
Sieve tests of metal powders, RP1843 ... 487
Silicates, in chemistry of portland cement, RP1822 ... 177
Shunts, for surge current measurement, RP1823 ... 191
Silver-silver bromide chloride and iodide electrodes, use in phosphate-chloride mixtures, RP1837 ... 411
Soule, Laurel F., Anton J. Streiff, Evelyn T. Murphy, Janice C. Zimmerman, Vincent A. Sedlak, Charles P. Willingham, Frederick D. Rossini, Purification, purity, and freezing points of *n*-decane, 4 alkylcyclopentanes, 8 alkylcyclohexanes, 2 monoolefins, 1,2-butadiene, and 2-butyne of the American Petroleum Institute-Standard and American Petroleum Institute-National Bureau of Standards series, RP1833 ... 321
Spectra, infrared CS_2, RP1814 ... 59
Spectrophotometric studies of acid-base reactions in organic solvents, RP1825 ... 221
Standards for analytical filter papers, RP1809 ... 21
Starch, strength of gels, RP1810 ... 29
Starting and warm-up with ethyl alcohol blends at sea level and altitude, RP1811 ... 39
Statistical sampling plans, RP1827 ... 721
Streets, Ronald E., Cold-starting abilities of various substitute motor fuels, RP1811 ... 39
Streiff, Anton J., Evelyn T. Murphy, Janice C. Zimmerman, Laurel F. Soule, Vincent A. Sedlak, Charles B. Willingham, Frederick D. Rossini, Purification, purity, and freezing points of *n*-decane, 4 alkylcyclopentanes, 8 alkylcyclohexanes, 2 monoolefins, 1, 2-butadiene, and 2-butyne of the American Petroleum Institute-Standard and American Petroleum Institute-National Bureau of Standards series, RP1833 ... 321
—, *Frederick D. Rossini*, Alkylbenzenes in the C_8 fraction from five different catalytic petroleum refining processes, RP1830 ... 203
Substitute motor fuels, RP1811 ... 39

T

Telescope, effect of magnification on the precision of indoor pointing, RP1820 ... 163
Telescope, influence of atmosphere upon precision pointing, RP1829 ... 297
Textiles, solution of problem of producing uniform abrasion, RP1807 ... 1
Textiles, sorption of nitrogen and water vapor, RP1842 ... 479

Page

Thermochemistry of alkylcyclohexanes, RP1821 173
Thermodynamic properties of 1,3-butadiene, RP1843 487
Thomas, Richard, Martin Shepherd, Shuford Schuhmann, Vernon H. Dibeler, Experimental study of the Koppers-Hinckley-Podbielniak apparatus and method for the determination of conjugated dienes, RP1840 435
1,2,4-Trimethylbenzene in petroleum, RP1839 425
1,3,5-Trimethylbenzene in petroleum, RP1839 425
Tungsten alloys, RP1834 351

U

Ultraviolet spectrum of cellulose, RP1816 133
Uranium chloride, electrolysis of, RP1817 141
Uranium, heat capacity, RP1831 309
Uranium, resistance-temperature relation of, RP1813 53
Uranium tetrachloride, heat capacity, RP1831 309
Uranium, thermoelectric properties of, RP1813 53
Uranium trichloride, heat capacity, RP1831 309
Uranium, transformation temperatures of, RP1813 53
Uranyl fluoride, RP1832 317

V

Van Dusen, Milton S., Andrew I. Dahl, Freezing points of cobalt and nickel, RP1828 291
—, —, Resistance-temperature relation and thermoelectric properties of uranium, RP1813 53
Variables, acceptance sampling by, RP1827 721

W

Wacker, Paul F., Ruth K. Cheney, Specific heat, enthalpy, and entropy of uranyl fluoride, RP1832 317
Washer, Francis E., Effect of magnification on the precision of indoor telescope pointing, RP1820 163
—, *Leo W. Scott*, Influence of the atmosphere upon the precision of telescope pointing, RP1829 163
Wear measurements of engine cylinders, RP1819 1
Werner, Helene G., John E. Kilpatrick, Charles W. Beckett, Kenneth S. Pitzer, Frederick D. Rossini, Heats, equilibrium constants, and free energies of formation of the alkylcyclopentanes and alkylcyclohexanes, RP1845 555
Wide-angle photographic objective, negative distortion corresponding to even illumination of field, RP1824 1
Willingham, Charles B., Anton J. Streiff, Evelyn T. Murphy, Janice C. Zimmerman, Laurel F. Soule, Vincent A. Sedlak, Frederick D. Rossini, Purification, purity, and freezing points of *n*-decane, 4 alkylcyclopentanes 8 alkylcyclohexanes, 2 monoolefins, 1,2-butadiene, and 2-butyne of the American Petroleum Institute-Standard and American Petroleum Institute-National Bureau of Standards series, RP1833 475
Wilson, William K., Bourdon W. Scribner, Development of standards for analytical filter papers, RP1809 1
Woolley, Ruth M., Samuel Levy, Wilhelmina D. Kroll, Instability of simply supported square plate with reinforced circular hole in edge compression, RP1849 721

X

m-Xylene, analysis, in mixtures with other C_8 alkylbenzenes, RP1830 461
o-Xylene, analysis, in mixtures with other C_8 alkylbenzenes, RP1830 461
p-Xylene, analysis, in mixtures with other C_8 alkylbenzenes, RP1830 461

Z

Zimmerman, Janice C., Anton J. Streiff, Evelyn T. Murphy, Laurel F. Soule, Vincent A. Sedlak, Charles B. Willingham, Frederick D. Rossini, Purification, purity, and freezing points of *n*-decane, 4 alkylcyclopentanes, 8 alkylcyclohexanes, 2 monoolefins, 1,2-butadiene, and 2-butyne of the American Petroleum Institute-Standard and American Petroleum Institute-National Bureau of Standards series, RP1833 475

ngineering
Library